

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



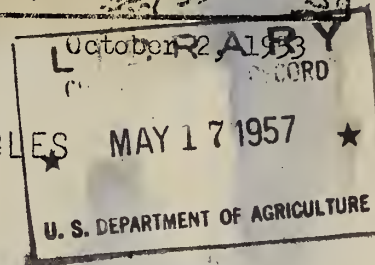


# Commercial Vegetables

BUREAU OF AGRICULTURAL ECONOMICS  
U. S. DEPARTMENT OF AGRICULTURE

Washington, D. C.

BAC



## COMMERCIAL PRODUCTION OF ALL VEGETABLES FOR FRESH MARKET AND PROCESSING 1919 - 1952

MAY 17 1957

U. S. DEPARTMENT OF AGRICULTURE

The Bureau of Agricultural Economics makes the following report of the commercial production of all vegetables for fresh market and processing, 1919-52. These estimates are based upon reports and data furnished by growers, shippers, commercial processors, State statisticians and cooperating State agencies. This report supplements Statistical Bulletins Nos. 126 and 132, the "1952 Annual Summary, Commercial Vegetables for Fresh Market," Report TC-52: 1202-1232, and the "1952 Annual Summary, Vegetables for Commercial Processing," Report TC-52: 1233-1246, which relate to the 29 principal vegetables (28 for fresh market and 11 for processing) covered by the Bureau in its regular program of monthly reports.

The first table of this report shows the commercial fresh-market and processing estimates, 1939-1952, previously published for the 29 principal vegetables, together with commercial fresh-market and processing estimates for all vegetables, 1919-52. In both series of estimates the processing figures include only the 11 main processing vegetables. For crops other than the 11 for which processing production is shown separately, the quantities processed are included in the fresh-market estimates; but, except for broccoli, brussels sprouts and cauliflower, the quantities processed are only a small percentage of the total production.

The differences in production of the 29 principal vegetables, 1939 to 1952, published in the Bureau's program of monthly reports, and the production of all vegetables shown in this report are attributable to the inclusion of minor crops not previously estimated, and of minor-producing States and greenhouse production not covered in the estimates of the 29 principal vegetables. These differences all occur in the fresh-market estimates, 1939 to 1952. The processing estimates for the 11 crops, 1929 to 1952, remain the same as previously published inasmuch as coverage of these crops was complete for these years. Processing estimates were not published currently for green lima beans and beets, 1919 to 1928, nor for pimientos, 1919 to 1925. The processing figures for the years 1919 to 1928, shown in this report, include allowances for these omissions.

The relationship between the estimates of commercial production of all fresh-market vegetables shown in this report and the estimates published in the Bureau's program of monthly reports for the principal vegetables for 1952 is as follows:

Continued on page 8



- 2 -  
UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS  
WASHINGTON, D. C.

TC-53: 912

October 2, 1953

VEGETABLES, Commercial: Production of principal vegetables,  
1939-52 and all vegetables, 1919-52, United States

YEAR	PRINCIPAL VEGETABLES 1/			ALL VEGETABLES		
	For fresh market	For proc- essing	Total	For fresh market 2/	For proc- essing 3/	Total
				Tons		
1919	---	---	---	5,279,000	2,039,060	7,318,060
1920	---	---	---	6,772,400	2,052,910	8,825,310
1921	---	---	---	6,253,400	1,193,480	7,446,880
1922	---	---	---	7,223,400	2,183,170	9,406,570
1923	---	---	---	6,577,500	2,327,610	8,905,110
1924	---	---	---	7,777,600	2,324,220	10,101,820
1925	---	---	---	7,820,600	3,496,440	11,317,040
1926	---	---	---	8,079,100	2,435,120	10,514,220
1927	---	---	---	8,192,000	2,197,630	10,389,630
1928	---	---	---	7,955,700	2,306,450	10,262,150
1929	---	---	---	8,946,700	3,033,410	11,980,110
1930	---	---	---	9,047,000	3,332,030	12,379,030
1931	---	---	---	8,836,100	2,380,150	11,216,250
1932	---	---	---	8,944,800	2,043,120	10,987,920
1933	---	---	---	8,201,400	1,982,770	10,184,170
1934	---	---	---	9,178,600	2,636,070	11,814,670
1935	---	---	---	8,932,900	3,352,280	12,285,180
1936	---	---	---	9,028,100	3,323,140	12,351,240
1937	---	---	---	9,082,700	3,835,510	12,918,210
1938	---	---	---	9,505,100	3,623,300	13,128,400
1939	7,215,700	3,435,200	10,650,900	9,520,900	3,435,200	12,956,100
1940	7,308,700	4,017,900	11,326,600	9,662,500	4,017,900	13,680,400
1941	7,010,800	5,048,400	12,059,200	9,295,400	5,048,400	14,343,800
1942	7,440,100	5,750,400	13,190,500	9,846,100	5,750,400	15,596,500
1943	7,304,200	4,983,700	12,287,900	9,667,400	4,983,700	14,651,100
1944	8,587,200	5,302,500	13,889,700	11,206,300	5,302,500	16,508,800
1945	8,929,900	5,267,500	14,197,400	11,726,200	5,267,500	16,993,700
1946	9,493,400	6,311,500	15,804,900	12,457,500	6,311,500	18,769,000
1947	8,401,200	5,549,800	13,951,000	11,124,000	5,549,800	16,673,800
1948	8,857,500	5,467,100	14,324,600	11,737,400	5,467,100	17,204,500
1949	9,167,500	5,445,600	14,613,100	11,310,000	5,445,600	16,755,600
1950	9,819,200	5,228,500	15,047,700	12,114,300	5,228,500	17,342,800
1951	9,320,300	7,215,100	16,535,400	11,484,000	7,215,100	18,699,100
1952	9,415,400	6,549,200	15,964,600	11,591,800	6,549,200	18,141,000

- 1/ The 29 vegetable crops including garlic (28 for fresh market and 11 for processing) for which State estimates are published in the regular program of monthly reports. For list of crops included and comparable figures on acreage and value see Statistical Bulletins Nos. 126 and 132 and Reports TC-52:1202 and TC-52:1233. Production for fresh market includes some quantities not marketed because of low prices or other economic factors. Comparable fresh-market estimates not available prior to 1939.
- 2/ Includes in addition to the 28 fresh-market vegetables covered in the regular program of reports, allowances for production for sale of minor vegetables in all States, of principal vegetables in relatively unimportant producing States, and of greenhouse production in all States. For a few crops includes production for processing. Does not include production from farm and nonfarm gardens. Production by States and acreage and value data are not available.
- 3/ The 11 principal processing vegetables covered in the regular program of reports. Includes allowances for production of lima beans and beets, 1919-28, and pimientos, 1919-25, since processing estimates for these crops were not made in those years. Production for processing, not covered by these estimates for the 11 principal processing vegetables, is included in the fresh-market estimates.

TC-53: 912  
October 2, 1953

CROP	1919	1920	1921	1922	1923	1924	1925	1926	1927
					- Tons -				
Artichokes	6,000	7,000	8,000	10,000	12,000	22,000	25,300	29,400	25,400
Asparagus 2/	28,500	29,600	28,000	27,900	32,200	39,400	48,400	57,800	59,400
Green Lima Beans 3/	11,200	12,000	12,500	13,000	13,500	13,800	14,200	13,600	14,800
Snap Beans	155,700	159,800	167,800	172,700	189,400	202,100	209,400	206,000	219,100
Beets	42,600	41,800	42,800	41,600	44,100	63,600	63,900	54,600	72,600
Broccoli 4/	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)
Brussels Sprouts 6/	4,000	4,300	4,600	5,000	5,300	5,500	5,900	6,200	6,600
Cabbage 7/	910,200	1,455,300	1,000,400	1,304,900	1,068,100	1,391,100	1,273,000	1,307,000	1,386,800
Cantaloups 8/	477,300	489,300	510,000	541,100	502,100	569,700	592,800	583,200	600,200
Carrots 9/	114,000	125,000	133,000	152,000	168,000	179,300	172,400	198,700	240,900
Cauliflower 10/	58,200	66,800	67,200	72,400	82,600	74,100	87,200	137,700	105,900
Celery 9/	273,300	293,500	303,600	302,400	322,800	351,400	379,800	357,900	366,700
Sweet Corn 11/	150,000	144,000	138,000	132,000	126,000	160,000	176,700	181,900	182,200
Cucumbers	140,300	130,800	138,500	167,900	155,000	182,900	198,200	183,300	192,800
Eggplant	18,000	19,300	24,200	24,500	24,700	20,400	23,200	18,400	20,500
Escarole 12/	(13/)	(13/)	(13/)	(13/)	(13/)	(13/)	(13/)	(13/)	(13/)
Garlic 14/	2,000	3,000	4,000	5,700	6,100	3,600	9,400	11,600	7,600
Kale	6,300	7,200	7,000	7,700	9,200	8,400	8,700	9,400	10,900
Lettuce 15/	271,300	396,000	379,400	441,400	472,100	547,800	612,400	669,400	750,200
Onions 16/	591,300	806,700	585,600	749,100	714,800	800,000	777,200	797,900	833,800
Green Peas 3/	17,300	21,600	30,200	40,700	50,100	58,000	64,600	78,200	115,300
Green Peppers	63,600	67,300	71,100	70,100	79,700	76,900	76,100	74,800	77,900
Shallots	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)
Spinach 17/	46,900	53,900	70,500	80,700	95,800	111,100	121,400	136,600	158,900
Tomatoes	567,000	591,900	538,400	642,000	623,900	650,000	691,200	581,500	664,900
Watermelons	827,700	1,203,300	1,384,600	1,514,600	1,128,000	1,468,400	1,400,200	1,556,000	1,232,600
Minor Vegetables 18/	496,300	643,000	604,000	704,000	652,000	778,000	789,000	828,000	846,000
TOTAL									
VEGETABLES	5,279,000	6,772,400	6,253,400	7,223,400	6,577,500	7,777,600	7,820,600	8,079,100	8,192,000
Strawberries 6/	186,500	174,300	203,200	259,100	254,000	276,600	215,200	234,500	282,200

See footnotes on page 7.



- 4 -

October 2, 1953

VEGETABLES, Commercial for fresh market: Production of all vegetables by crops, United States, 1919-52 1/ - Cont'd.

CROP	1928	1929	1930	1931	1932	1933	1934	1935	1936
					Tons				
Artichokes	19,600	19,800	20,200	16,400	11,400	14,900	21,200	20,300	17,300
Asparagus 2/	69,700	64,700	77,900	82,800	92,700	86,700	97,200	85,300	99,300
Green Lima Beans 3/	14,900	16,200	22,600	27,300	33,900	27,800	31,900	37,200	46,300
Snap Beans	224,400	272,200	279,700	298,800	292,500	327,300	334,700	313,400	283,800
Beets	85,100	101,100	105,800	109,700	92,400	95,500	116,900	97,300	106,000
Broccoli 4/	(5/)	7,200	11,700	16,300	20,800	25,400	29,900	34,400	39,000
Brussels Sprouts 6/	6,900	7,200	8,200	9,100	10,100	11,000	12,000	13,000	13,900
Cabbage 7/	1,156,500	1,265,300	1,112,500	1,235,900	1,256,900	1,029,500	1,588,000	1,244,700	1,167,100
Cantaloups 8/	635,300	650,400	604,200	672,400	648,300	509,300	496,500	530,800	534,300
Carrots 9/	239,900	366,300	378,500	365,400	350,800	344,000	389,400	401,200	422,600
Cauliflower 10/	120,000	149,900	144,300	164,000	167,000	157,100	153,900	157,200	174,600
Celery 9/	443,100	515,300	533,100	470,000	484,700	473,600	475,600	417,500	467,400
Sweet Corn 11/	203,900	207,000	252,500	270,300	326,600	336,300	364,900	362,900	368,000
Cucumbers	191,600	183,700	226,100	174,200	147,000	135,000	147,200	164,200	137,900
Eggplant	18,200	25,500	22,200	23,500	22,200	22,100	21,000	20,200	26,600
Escarole 12/	9,000	9,700	11,100	12,400	10,600	14,500	16,200	14,100	16,000
Garlic 14/	8,300	7,700	7,900	6,400	7,000	6,200	6,200	6,200	7,400
Kale	11,200	13,000	12,100	9,000	18,300	12,700	8,100	8,400	10,000
Lettuce 15/	741,300	793,100	774,700	753,000	699,500	682,600	741,100	745,600	808,500
Onions 16/	721,200	865,000	875,200	651,900	867,500	704,100	750,700	803,000	929,000
Green Peas 3/	122,200	129,900	148,100	134,600	146,500	171,200	140,700	157,600	158,000
Green Peppers	78,800	81,200	89,200	97,000	87,200	102,900	87,000	90,800	107,800
Shallots	(5/)	6,000	5,900	5,600	6,300	5,500	6,100	6,700	6,500
Spinach 17/	136,200	187,800	148,100	173,400	163,100	149,600	160,400	148,300	171,400
Tomatoes	660,200	764,700	722,500	720,600	784,400	755,500	850,200	852,600	775,200
Watermelons	1,212,200	1,302,200	1,499,700	1,399,100	1,249,100	1,122,100	1,127,600	1,227,000	1,144,200
Minor Vegetables 18/	826,000	934,600	953,000	937,000	948,000	879,000	994,000	973,000	990,000
ALL									
VEGETABLES	7,955,700	8,946,700	9,047,000	8,836,100	8,944,800	8,201,400	9,178,600	8,932,900	9,028,100
Strawberries 6/	288,900	288,700	216,000	266,400	288,300	266,200	233,000	240,800	201,500

See footnotes on page 7.

See footnotes on page 7.

VEGETABLES, Commercial for fresh market: Production of all vegetables by crops, United States, 1919-52 1/ - Cont'd.

CROP	1937	1938	1939	1940	1941	1942	1943	1944	1945
					Tons				
Artichokes	16,200	17,500	20,800	16,200	13,400	16,600	15,800	16,000	13,400
Asparagus 2/	98,400	95,100	85,900	100,700	98,400	89,500	88,000	82,400	73,900
Green Lima Beans 3/	41,300	47,500	58,600	49,600	49,000	48,600	41,300	38,900	40,300
Snap Beans	257,000	319,200	329,400	336,300	303,300	334,000	375,400	339,900	360,300
Beets	107,900	114,700	111,500	113,300	106,900	102,600	116,300	123,000	108,300
Broccoli 4/	43,500	48,100	52,600	43,600	48,600	44,200	55,200	71,200	70,600
Brussels Sprouts 6/	14,900	15,800	16,800	17,100	17,900	18,200	19,000	19,300	20,100
Cabbage 7/	1,152,300	1,388,800	1,072,800	1,253,600	1,090,500	1,403,100	1,194,500	1,568,300	1,664,500
Cantaloups 8/	570,800	565,500	533,900	507,800	530,700	431,900	414,900	513,300	544,000
Carrots 9/	448,500	481,400	521,100	550,900	573,200	632,700	897,900	815,300	944,900
Cauliflower 10/	200,400	192,000	216,500	232,800	182,400	195,400	191,000	221,200	248,000
Celery 9/	500,600	533,600	542,500	542,200	591,800	548,000	508,300	551,500	598,900
Sweet Corn 11/	329,700	337,100	334,000	372,500	416,900	455,900	427,000	443,400	518,400
Cucumbers	135,700	152,400	156,100	146,200	150,300	144,700	121,000	122,200	163,700
Eggplant	22,900	28,400	27,200	21,100	31,800	23,000	30,100	34,400	37,400
Escarole 12/	17,900	19,600	20,100	22,900	21,300	24,400	26,600	36,100	35,300
Garlic 14/	9,400	9,100	9,000	7,100	7,600	10,500	6,200	7,100	8,400
Kale	13,400	15,900	18,700	10,000	21,800	11,800	17,600	18,800	21,000
Lettuce 15/	796,500	736,800	925,700	849,800	904,400	907,600	976,300	1,098,900	1,134,800
Onions 16/	817,400	829,500	960,100	860,800	813,200	1,013,200	812,000	1,235,600	970,800
Green Peas 3/	149,300	136,100	153,800	140,900	135,900	115,100	108,500	107,800	104,000
Green Peppers	110,900	116,400	133,200	120,600	114,700	118,100	111,900	122,200	138,600
Shallots	9,000	6,100	8,500	6,800	6,100	8,600	6,000	4,500	7,500
Spinach 17/	182,900	163,200	191,400	186,900	172,400	189,900	192,300	182,700	183,600
Tomatoes	785,100	877,500	908,900	848,800	817,100	914,100	908,400	927,300	1,073,500
Watermelons	1,255,800	1,205,800	1,052,500	1,211,000	1,003,800	891,400	859,900	1,160,000	1,210,000
Minor Vegetables 18/	925,000	1,052,900	1,052,300	1,093,000	1,072,000	1,153,000	1,146,000	1,345,000	1,432,000
TOTAL	9,082,700	9,505,100	9,520,200	9,662,500	9,295,400	9,846,100	9,667,400	11,206,300	11,726,200
VEGETABLES									
Strawberries 6/	241,400	216,500	242,000	247,100	245,100	256,300	128,400	89,800	101,800

See footnotes on page 7.



TC-53: 912  
October 2, 1953

CROP	1946	1947	1948	1949	1950	1951	1952
							Preliminary
				Tons			
Artichokes	11,500	14,600	17,000	12,700	14,200	12,600	17,000
Asparagus 2/	77,400	79,200	68,400	65,800	71,500	60,500	67,500
Green Lima Beans 3/	47,800	43,700	42,900	41,400	39,700	33,700	32,100
Snap Beans	384,000	358,200	363,200	353,600	346,400	369,400	309,000
Beets	112,700	94,300	93,800	87,300	95,000	64,400	67,300
Broccoli 4/	93,000	75,600	84,000	97,000	100,400	86,800	109,900
Brussels Sprouts 6/	20,500	21,300	21,600	22,500	21,800	25,300	17,400
Cabbage 7/	1,464,700	1,212,500	1,361,200	1,184,800	1,426,500	1,144,900	1,125,100
Cantaloups 8/	644,400	573,700	576,500	569,900	606,600	587,300	576,100
Carrots 9/	845,400	709,100	814,500	741,000	807,800	749,000	779,500
Cauliflower 10/	278,500	245,100	272,200	273,100	246,100	244,900	237,800
Celery 9/	698,000	596,400	660,100	648,900	681,000	723,800	735,900
Sweet Corn 11/	535,800	555,900	634,700	575,100	633,300	609,700	639,500
Cucumbers	205,200	186,500	198,600	201,700	201,400	221,800	222,900
Eggplant	44,400	25,200	36,000	33,400	31,900	29,600	37,400
Escarole 12/	37,700	33,900	40,600	39,900	52,000	60,000	60,000
Garlic 14/	9,800	8,900	6,100	6,600	8,900	7,000	6,200
Kale	19,000	18,300	16,200	24,100	22,800	20,400	20,400
Lettuce 15/	1,284,100	1,311,100	1,296,000	1,262,600	1,380,700	1,321,500	1,447,400
Onions 16/	1,293,500	936,500	1,084,100	984,500	1,162,300	999,200	1,000,100
Green Peas 3/	97,400	79,600	67,900	56,700	50,400	38,900	35,100
Green Peppers	150,800	126,100	152,800	165,500	166,600	162,200	163,500
Shallots	8,400	5,500	6,400	4,800	5,700	6,800	9,900
Spinach 17/	173,200	156,900	156,100	145,000	126,300	124,500	116,000
Tomatoes	1,094,700	958,300	981,000	982,600	974,000	1,009,200	995,900
Watermelons	1,283,600	1,302,600	1,185,500	1,265,800	1,255,000	1,293,600	1,268,900
Minor Vegetables 18/	1,542,000	1,395,000	1,500,000	1,463,700	1,586,000	1,477,000	1,494,000
ALL							
VEGETABLES	12,457,500	11,124,000	11,737,400	11,310,000	12,114,300	11,484,000	11,591,800
Strawberries 6/	139,000	174,900	205,000	163,400	204,500	214,100	221,100

See footnotes on page 7.



UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS

- 7 -

TC-53: 912  
October 2, 1953

VEGETABLES, Commercial for fresh market: Production of all vegetables by crops, United States, 1919-52 1/ - cont'd.

- 1/ Total commercial production for fresh market for all States. Includes greenhouse production. Does not include production from farm and non-farm gardens. Includes quantities not marketed because of low prices or other economic factors.
- 2/ Prior to 1939 includes production for processing in States other than California.
- 3/ In the shell.
- 4/ Sprouting broccoli only. Does not include broccoli rabe nor heading broccoli, also called cauliflower-broccoli. Includes production for processing.
- 5/ Included with minor vegetables, 1919-28.
- 6/ Includes production for processing.
- 7/ Includes production for dehydration, 1943-45.
- 8/ Includes Honey Ball and Honey Dew melons, as well as Casabas, Persians and other muskmelons.
- 9/ Mostly for fresh market, but includes production for processing and for dehydration.
- 10/ Includes heading broccoli or cauliflower-broccoli. Includes production for processing.
- 11/ Does not include green field corn.
- 12/ Includes chicory and endive.
- 13/ Included with lettuce, 1919-27.
- 14/ Includes production for processing and for dehydration.
- 15/ Includes escarole, chicory and endive, 1919-27, and Romaine for all years.
- 16/ Dry onions only. Green onions included with minor vegetables. Mostly for fresh market but includes production for processing and for dehydration.
- 17/ Includes production for processing in those States for which separate estimates of fresh-market and processing production are not prepared.
- 18/ Includes Chinese cabbage, Swiss chard, collards, dandelion greens, mustard greens, turnip greens, horseradish, kohlrabi, okra, green onions, parsley, parsnips, hot peppers, pumpkins, radishes, rhubarb, rutabagas, salsify, squash, turnips and other miscellaneous vegetables. Includes production for processing.

<u>Item</u>	1952 Fresh-Market Production	
	<u>Tons</u>	<u>Percent</u>
<u>Principal Vegetables</u>		
Major producing States covered in Bureau's program of monthly reports (9,409,200 tons for 27 crops plus 6,200 tons of garlic)....	9,415,400	81
Minor producing States not covered in Bureau's program of monthly reports and greenhouse production in all States.....	682,400	6
<u>Minor Vegetables</u>		
Not covered in Bureau's program of monthly reports.....	1,494,000	13
ALL VEGETABLES.....	11,591,800	100

For 1952 the Bureau's program of monthly reports covers 81 percent of the estimated fresh-market production of all vegetables and 93 percent of the fresh-market production of the principal vegetables. Similar comparisons for 1939 show the Bureau's program of monthly reports covered 76 percent of the fresh-market production of all vegetables and 85 percent of the fresh-market production of the principal vegetables. The difference in coverage between 1939 and 1952 is accounted for by expansion in the Bureau's program. Estimates were recently inaugurated for brussels sprouts. The estimates for fresh-market sweet corn have been extended from 3 States to 26 States; those for broccoli from 3 States to 11 States. The number of fresh-market vegetables estimated for Massachusetts has been increased from 2 to 12 and estimates have been started for 7 crops in Connecticut, 5 in Rhode Island, 3 in New Hampshire and 2 in Maine. Most of these new series start with 1949.

In the first table of this report, figures are not shown for the production of principal vegetables, 1919-38, since the fresh-market estimates for these earlier years are not comparable with the revised fresh-market estimates for the years 1939-52. The fresh-market estimates for principal vegetables published currently for the years 1919-38 related largely to production in well-recognized commercial areas producing mainly for shipment to distant market; hence they did not include some local-market production in areas near consuming centers. The revised 1939-52 estimates for the principal vegetables cover all fresh-market production on acreage grown primarily for sale; and, therefore, include, for the crops and States covered, all local-market production as well as production for shipment to distant markets. However, estimates of the fresh-market production of all vegetables are shown for the years 1919-38. These estimates include allowances, not only for the items previously listed, but also for local-market production not covered in the estimates published currently. Largely because of the omission of much of the local market production, the fresh-market estimates for principal vegetables previously published for 1919 covered only one half of the estimated fresh-market production of all vegetables.

The estimated fresh-market production of all vegetables shown in this report include quantities not marketed because of low prices or other economic factors. Estimates of such economic abandonment for the crops and States covered in the Bureau's program of monthly reports will be found in Statistical Bulletin No. 126 and Report TC-52: 1202-1232. Estimates of economic abandonment are not available for principal vegetables in minor producing States nor for minor vegetables. These fresh-market estimates for all vegetables have been prepared on a national basis for production only. State and seasonal-group figures are not available; neither are figures available on acreage or value.

A comparable report giving revised estimates for 1952 and preliminary estimates for 1953 will be released on December 23, 1953.